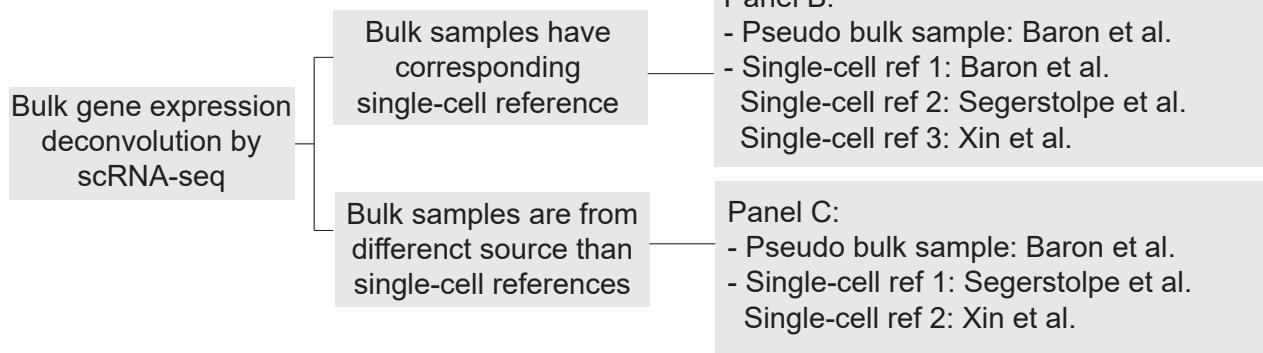
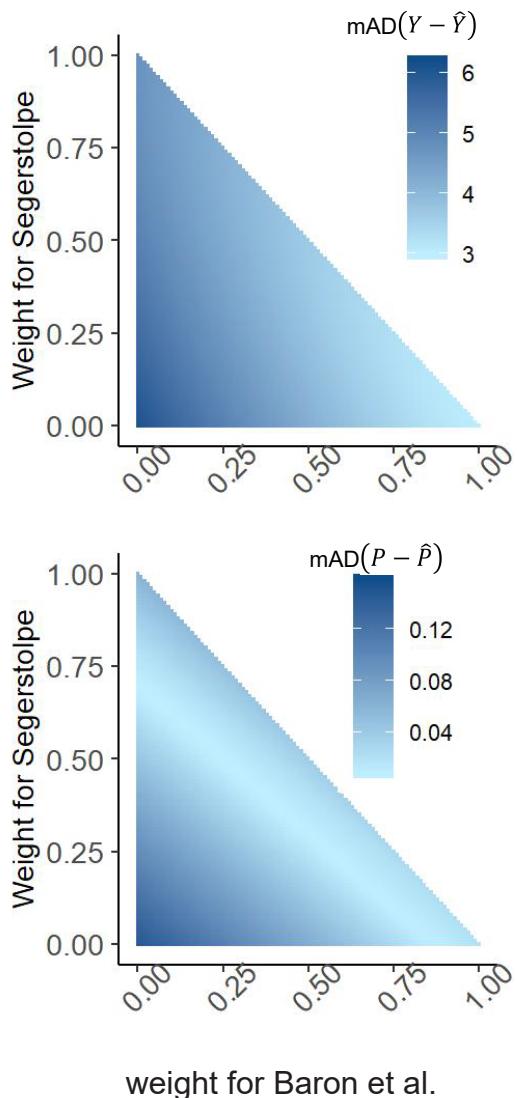


Figure S1

A

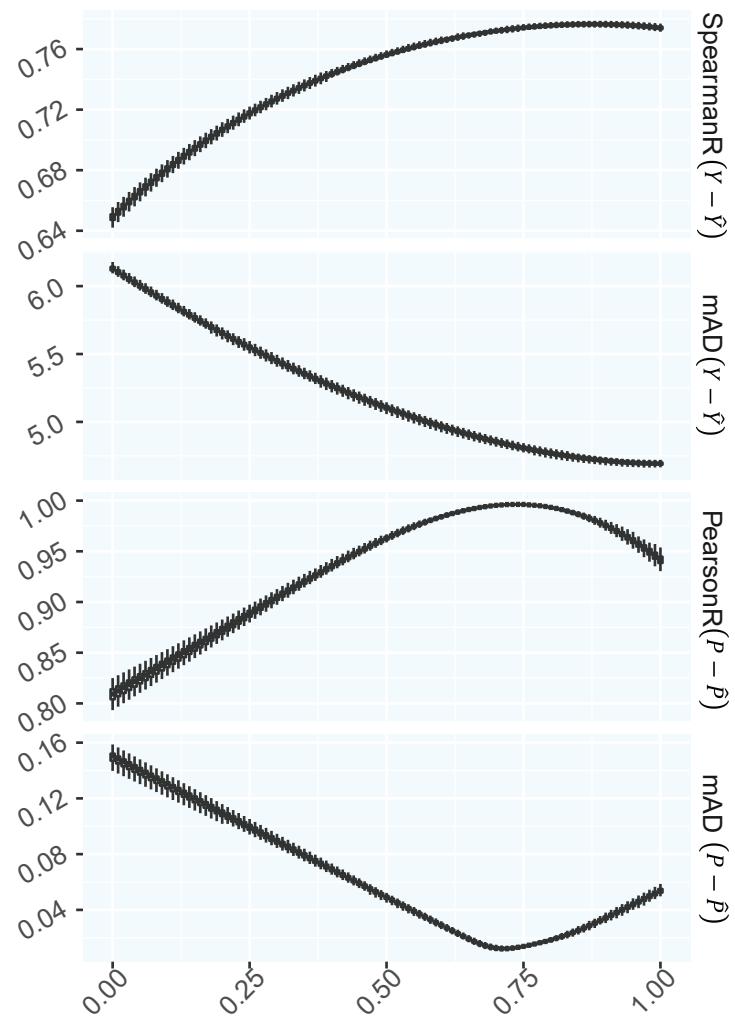


B



weight for Baron et al.

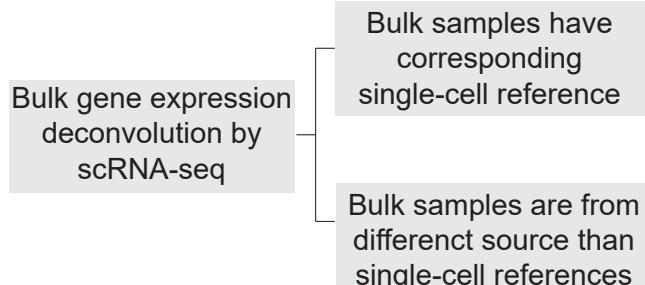
C



weight for segerstolpe et al.

Figure S2

D



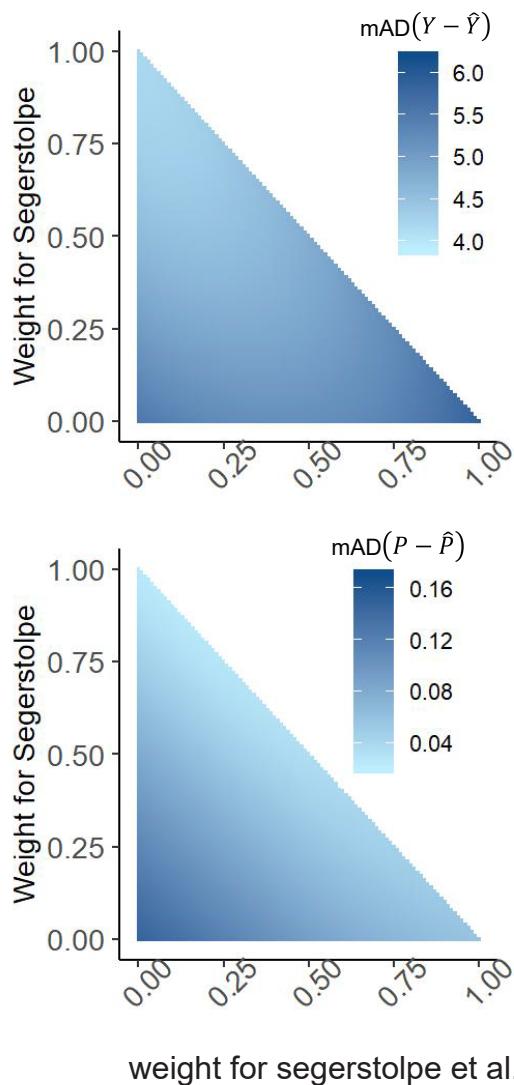
Panel B:

- Pseudo bulk sample: Segerstolpe et al.
- Single-cell ref 1: Baron et al.
- Single-cell ref 2: Segerstolpe et al.
- Single-cell ref 3: Xin et al.

Panel C:

- Pseudo bulk sample: Segerstolpe et al.
- Single-cell ref 1: Baron et al.
- Single-cell ref 2: Xin et al.

E



F

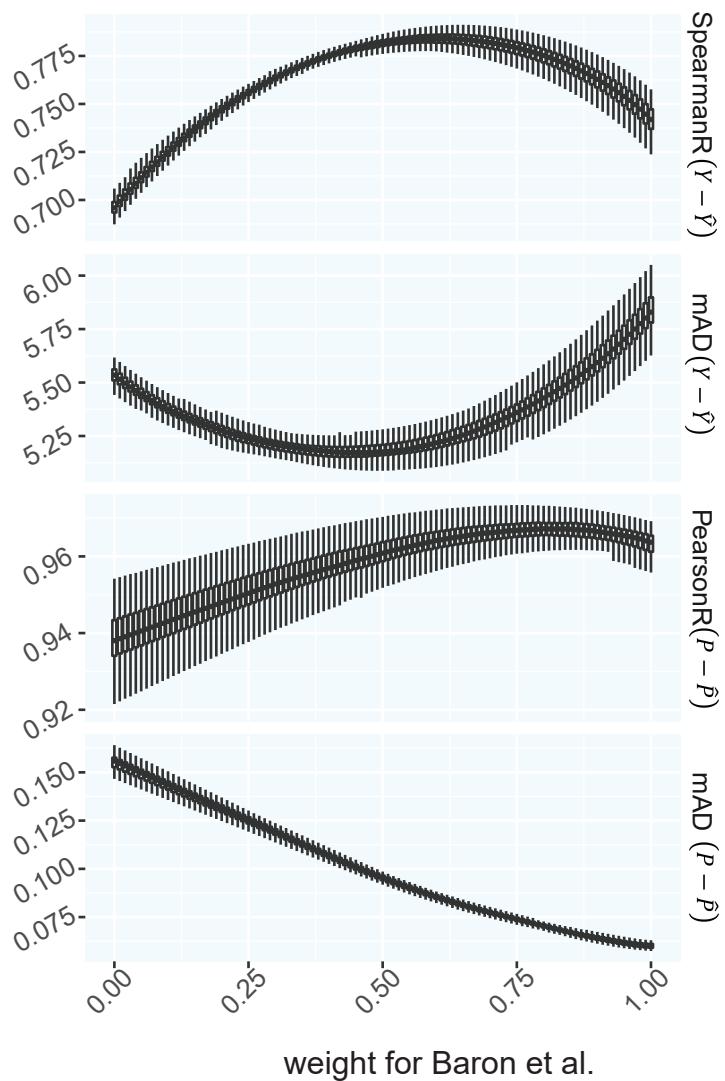
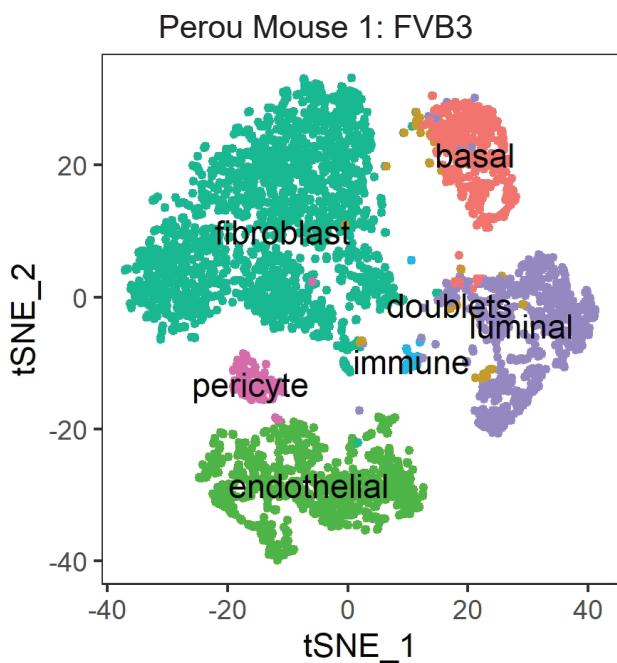
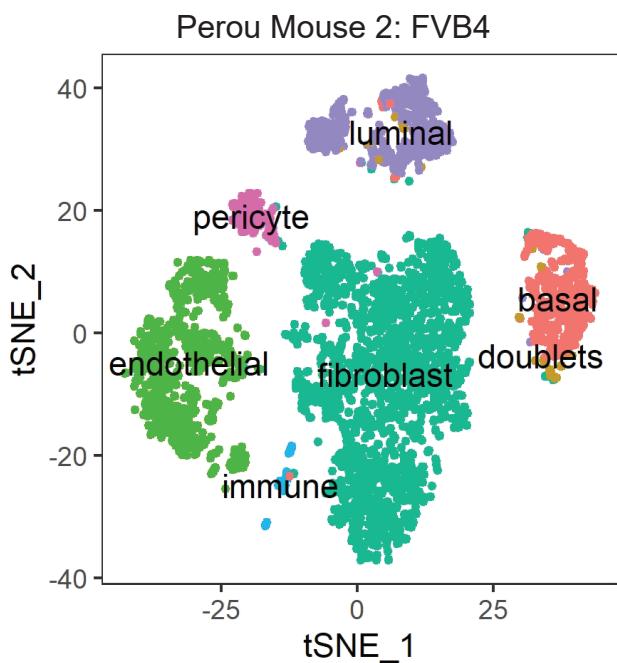


Figure S2

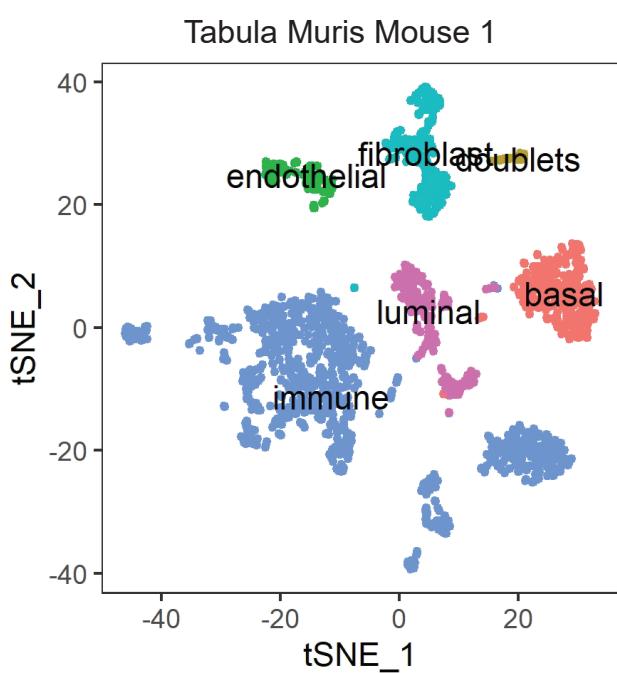
A



B



C



D

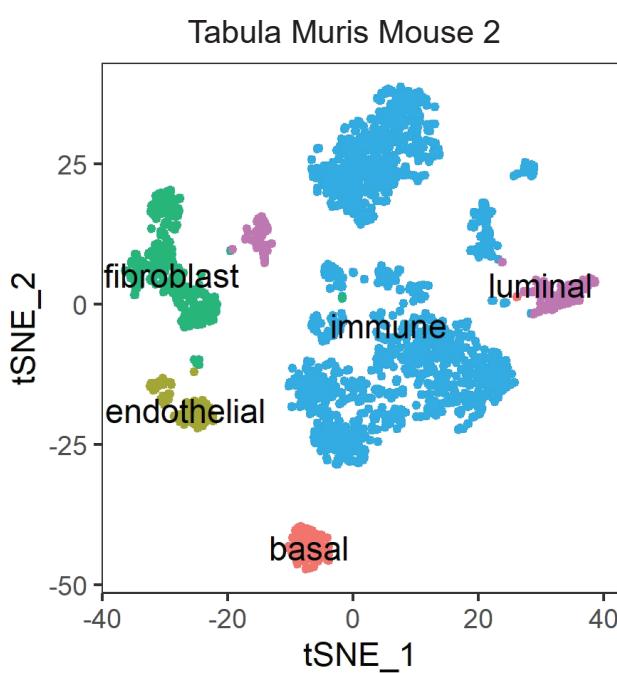
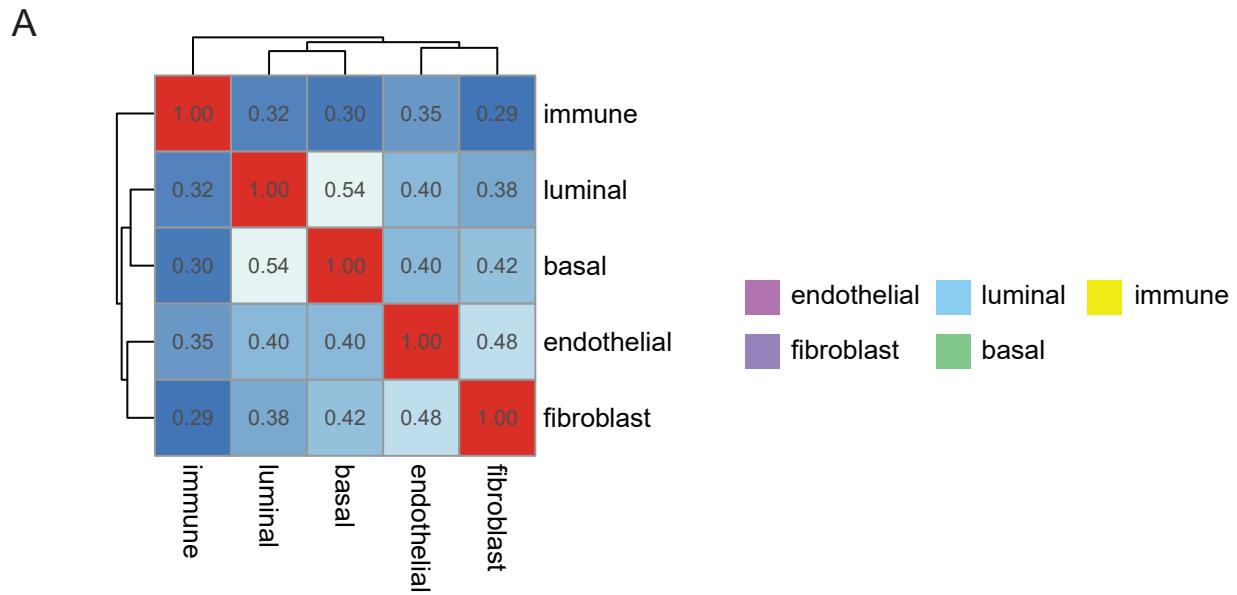
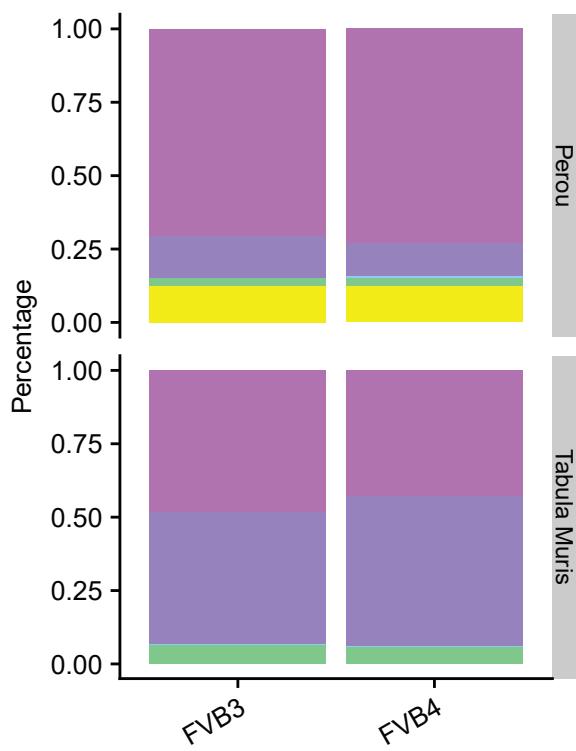


Figure S3



B Results without two-step tree-guided deconvolution for 10X bulk samples



C Results without two-step tree-guided deconvolution for Fresh-frozen samples

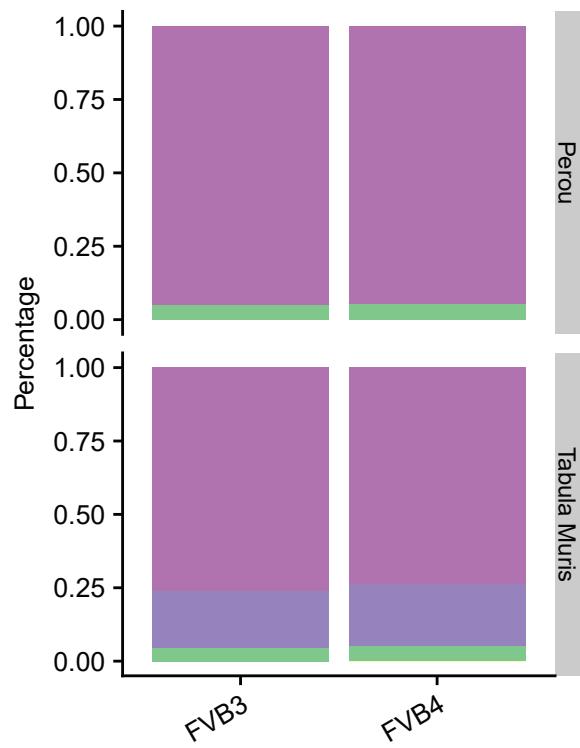
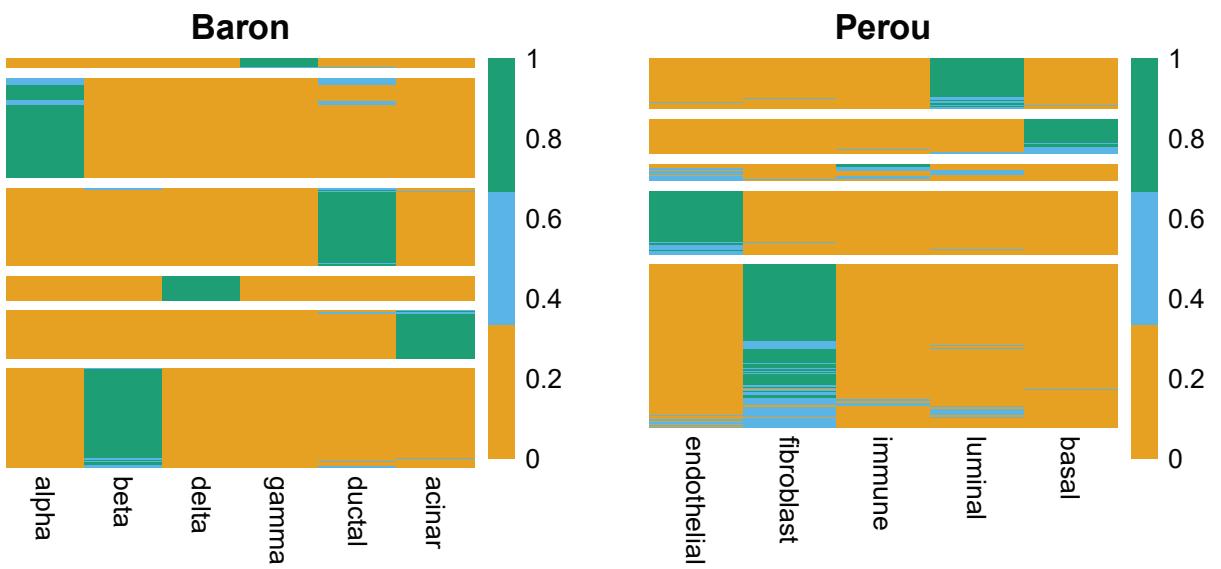


Figure S4

A Before clustering-QC



B After clustering-QC

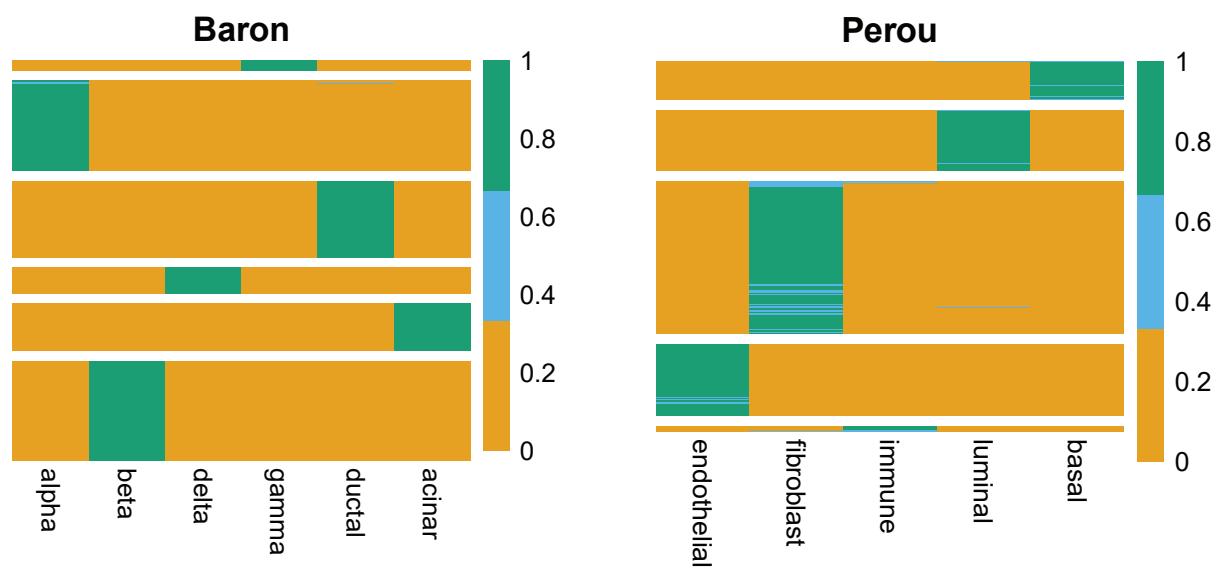
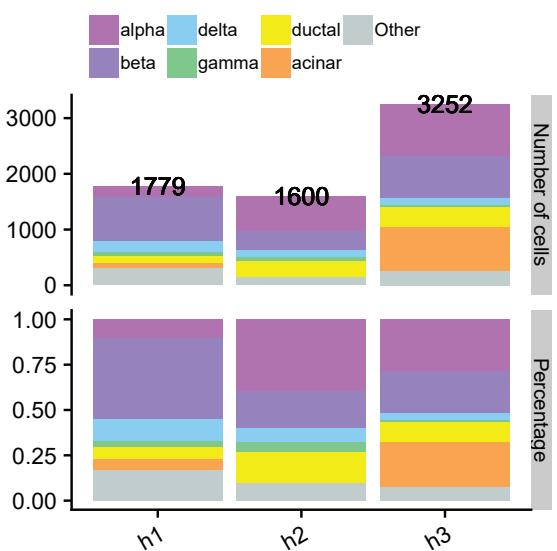


Figure S5

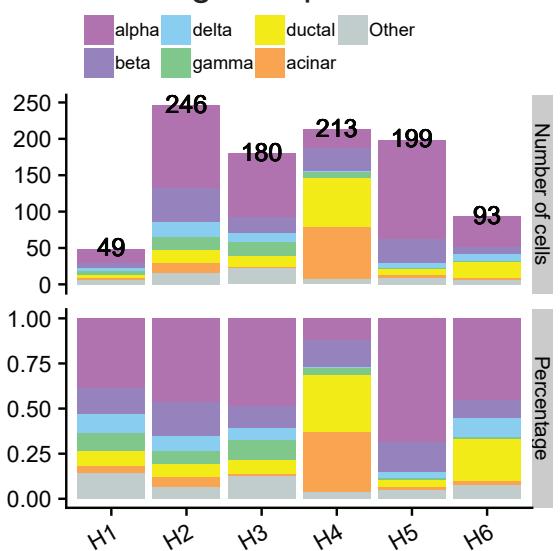
A

Baron et al.



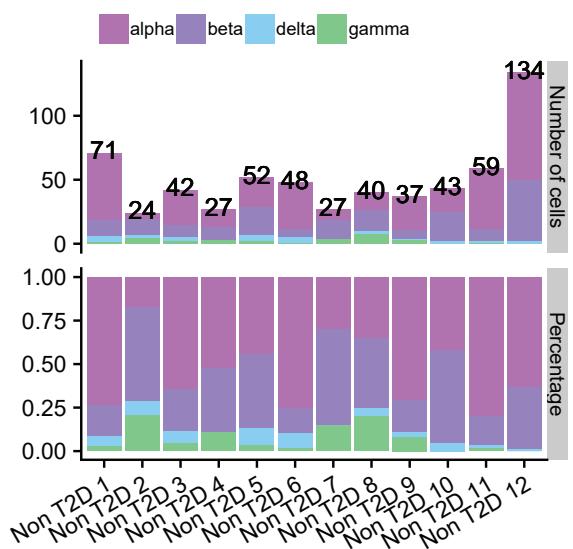
B

Segerstolpe et al.



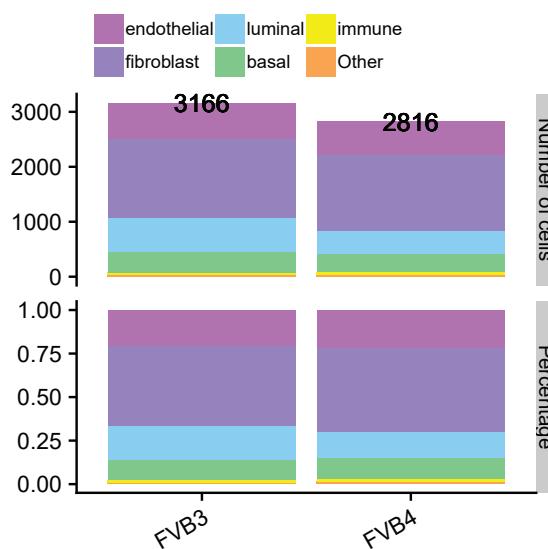
C

Xin et al.



D

Perou Lab



E

Tabula Muris

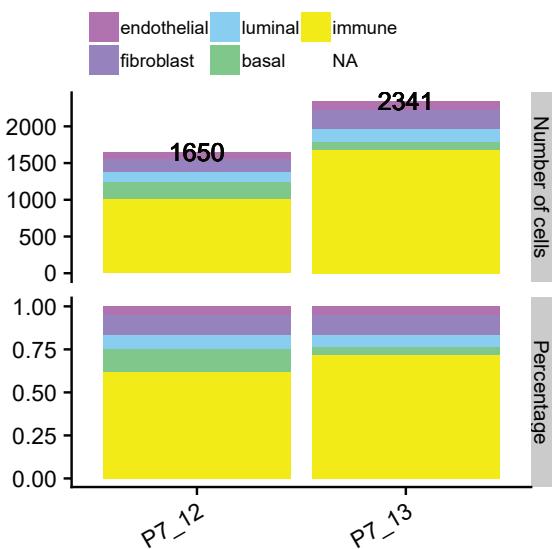


Figure S6

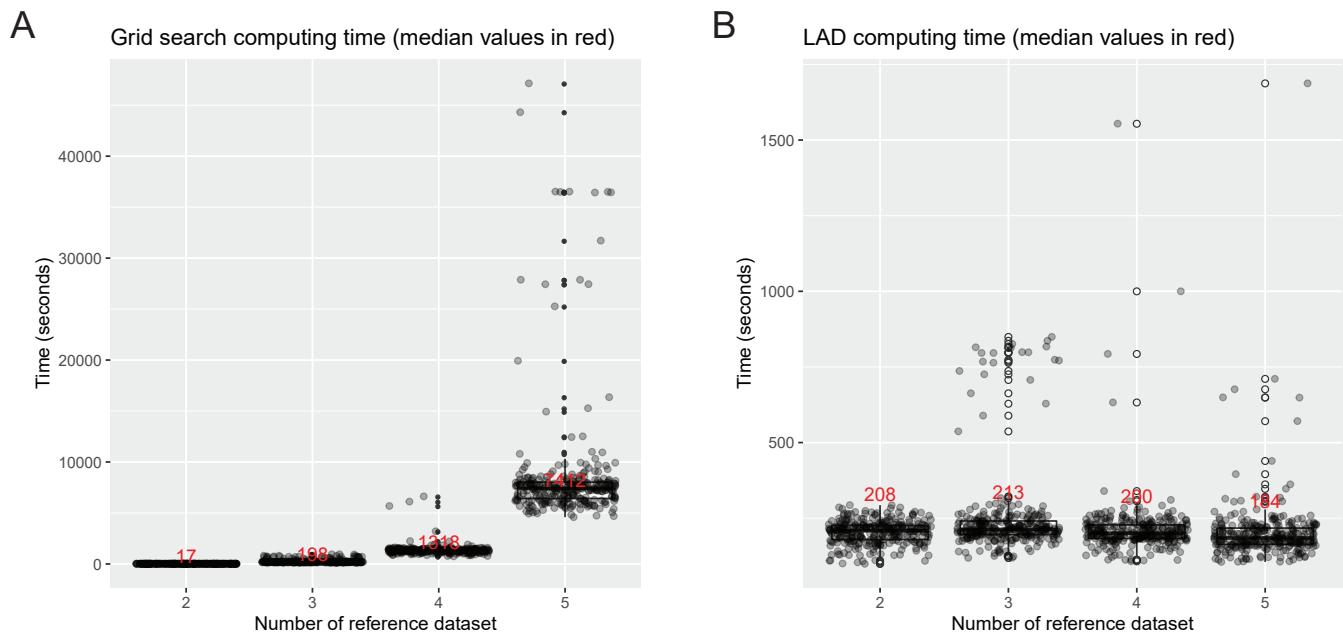


Figure S7